ASSESSMENT OF SEASONAL VARIATIONS IN SURFACE WATER QUALITY FROM BLACKSEA REGION, TURKEY

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Key Words: Surface Water Quality, Pollution, BlackSea Region

Assessment of seasonal changes in surface water quality is an important aspect for evaluating temporal variations of river pollution due to natural or anthropogenic impure of point and non-point sources. Pollution of surface water with toxic chemicals and eutrophication of stream and lakes with excess nutrients are of great environmental concern worldwide. Water resources and ecosystems forming these resources and providing sustainability of them are under threat of contamination, unsustainable field usage changes, climate changes and other effect. In this study, surface water quality data for 8 physical and chemical parameters collected from 5 monitoring stations in the region. In addition, pollutant entering a stream system normally result from many transport pathways including storm water runoff, discharge from ditches and creeks, vadose zone leaching, groundwater seepage, and atmospheric deposition. The samples were analyzed for turbidity, color, electrical conductance, pH, total alkalinity (as CaCO3), total ammonia-nitrogen and total iron.